

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/574,860  
Source: IFWP  
Date Processed by STIC: 4/20/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , **EFS Submission User Manual - ePAVE**)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**  
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Revised 01/10/06



IFWP

## RAW SEQUENCE LISTING

DATE: 04/20/2006

PATENT APPLICATION: US/10/574,860

TIME: 10:20:46

Input Set : E:\CGI-P846(Sequence Listing).txt

Output Set: N:\CRF4\04202006\J574860.raw

2 <110> APPLICANT: CHUGAI SEIYAKU KABUSHIKI KAISHA  
W--> 3 <120> TITLE OF INVENTION: Pharmaceutical composition for treatment of solid cancers  
W--> 4 <130> FILE REFERENCE: P846  
C--> 5 <140> CURRENT APPLICATION NUMBER: US/10/574,860  
C--> 5 <141> CURRENT FILING DATE: 2006-04-06  
W--> 5 <160> NUMBER OF SEQ ID: 31

*pp 1-10*

**Does Not Comply  
Corrected Diskette Needed**

## ERRORED SEQUENCES

W--> 6 <210> SEQ ID NO: 1  
7 <211> LENGTH: 1013  
8 <212> TYPE: DNA  
9 <213> ORGANISM: Homosapiens *insert*  
10 <223> OTHER INFORMATION: Nucleotide sequence coding for HM1.24 protein antigen  
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12 gaattcggca cgagggatct gg atg gca tct act tcg tat gac tat tgc 49  
13 Met Ala Ser Thr Ser Tyr Asp Tyr Cys  
14 1 5  
15 aga gtg ccc atg gaa gac ggg gat aag cgc tgt aag ctt ctg ctg ggg 97  
16 Arg Val Pro Met Glu Asp Gly Asp Lys Arg Cys Lys Leu Leu Leu Gly  
17 10 15 20 25  
18 ata gga att ctg gtg ctc ctg atc atc gtg att ctg ggg gtg ccc ttg 145  
19 Ile Gly Ile Leu Val Leu Leu Ile Ile Val Ile Leu Gly Val Pro Leu  
20 30 35 40  
21 att atc ttc acc atc aag gcc aac agc gag gcc tgc cgg gac ggc ctt 193  
22 Ile Ile Phe Thr Ile Lys Ala Asn Ser Glu Ala Cys Arg Asp Gly Leu  
23 45 50 55  
24 cgg gca gtg atg gag tgt cgc aat gtc acc cat ctc ctg caa caa gag 241  
25 Arg Ala Val Met Glu Cys Arg Asn Val Thr His Leu Leu Gln Gln Glu  
26 60 65 70  
27 ctg acc gag gcc cag aag ggc ttt cag gat gtg gag gcc cag gcc gcc 289  
28 Leu Thr Glu Ala Gln Lys Gly Phe Gln Asp Val Glu Ala Gln Ala Ala  
29 75 80 85  
30 acc tgc aac cac act gtg atg gcc cta atg gct tcc ctg gat gca gag 337  
31 Thr Cys Asn His Thr Val Met Ala Leu Met Ala Ser Leu Asp Ala Glu  
32 90 95 100 105  
33 aag gcc caa gga caa aag aaa gtg gag gag ctt gag gga gag atc act 385  
34 Lys Ala Gln Gly Gln Lys Lys Val Glu Glu Glu Gly Glu Ile Thr  
35 110 115 120  
36 aca tta aac cat aag ctt cag gac gcg tct gca gag gtg gag cga ctg 433  
37 Thr Leu Asn His Lys Leu Gln Asp Ala Ser Ala Glu Val Glu Arg Leu  
38 125 130 135

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39 aga aga gaa aac cag gtc tta agc gtg aga atc gcg gac aag aag tac      481
40 Arg Arg Glu Asn Gln Val Leu Ser Val Arg Ile Ala Asp Lys Lys Tyr
41          140                      145                      150
42 tac ccc agc tcc cag gac tcc agc tcc gct gcg gcg ccc cag ctg ctg      529
43 Tyr Pro Ser Ser Gln Asp Ser Ser Ser Ala Ala Ala Pro Gln Leu Leu
44          155                      160                      165
45 att gtg ctg ctg ggc ctc agc gct ctg ctg cag tga gatcccagga      575
46 Ile Val Leu Leu Gly Leu Ser Ala Leu Leu Gln
47 170                      175                      180
48 agctggcaca tcttgaagg tccgtcctgc tcggcttttc gcttgaacat tcccttgatc      635
49 tcatcagttc tgagcgggtc atggggcaac acggttagcg gggagagcac ggggtagccg      695
50 gagaagggcc tctggagcag gtctggaggg gccatggggc agtcctgggt ctggggacac      755
51 agtcgggttg acccagggct gtctccctcc agagcctccc tccggacaat gagtcccccc      815
52 tcttgtctcc caccctgaga ttgggcatgg ggtgcggtgt ggggggcatg tgctgcctgt      875
53 tgttatgggt tttttttgcg ggggggggtt cttttttctg ggggtctttga gctccaaaaa      935
54 aataaacact tcctttgagg gagagcacac cttaaaaaaa aaaaaaaaaa aaaaaaaaaa      995
55 aaaattcggg cgcccgcc                                1013

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56 &lt;210&gt; SEQ ID NO: 2

57 &lt;211&gt; LENGTH: 190

58 &lt;212&gt; TYPE: PR1

59 &lt;213&gt; ORGANISM: Homosapiens

60 &lt;223&gt; OTHER INFORMATION: Amino acid sequence of HM1.24 protein antigen

61 <400> SEQUENCE: 2

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62 Met Ala Ser Thr Ser Tyr Asp Tyr Cys Arg Val Pro Met Glu Asp Gly
63 1          5          10          15
64 Asp Lys Arg Cys Lys Leu Leu Leu Gly Ile Gly Ile Leu Val Leu Leu
65          20          25          30
66 Ile Ile Val Ile Leu Gly Val Pro Leu Ile Ile Phe Thr Ile Lys Ala
67          35          40          45
68 Asn Ser Glu Ala Cys Arg Asp Gly Leu Arg Ala Val Met Glu Cys Arg
69          50          55          60
70 Asn Val Thr His Leu Leu Gln Gln Glu Leu Thr Glu Ala Gln Lys Gly
71 65          70          75          80
72 Phe Gln Asp Val Glu Ala Gln Ala Ala Thr Cys Asn His Thr Val Met
73          85          90          95
74 Ala Leu Met Ala Ser Leu Asp Ala Glu Lys Ala Gln Gly Gln Lys Lys
75          100         105         110
76 Val Glu Glu Leu Glu Gly Glu Ile Thr Thr Leu Asn His Lys Leu Gln
77          115         120         125
78 Asp Ala Ser Ala Glu Val Glu Arg Leu Arg Arg Glu Asn Gln Val Leu
79          130         135         140
80 Ser Val Arg Ile Ala Asp Lys Lys Tyr Tyr Pro Ser Ser Gln Asp Ser
81 145         150         155         160
82 Ser Ser Ala Ala Ala Pro Gln Leu Leu Ile Val Leu Leu Gly Leu Ser
83          165         170         175
84 Ala Leu Leu Gln
85          180
86 <210> SEQ ID NO: 3
87 <211> LENGTH: 39

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## RAW SEQUENCE LISTING

DATE: 04/20/2006

PATENT APPLICATION: US/10/574,860

TIME: 10:20:46

use

Input Set : E:\CGI-P846(Sequence Listing).txt

Output Set: N:\CRF4\04202006\J574860.raw

(2127)

W--> 88 (221) NAME/KEY: DNA  
 89 <213> ORGANISM: Artificial Sequence  
 W--> 90 <220> FEATURE:  
 W--> 91 <221> NAME/KEY:  
 92 <222> LOCATION:  
 93 <223> OTHER INFORMATION: Forward primer Initial(BamHI)

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 95 tttctcgaga tgagacgcta caagctcttt ctcatgttc

39

(2127) W--> 96 <210> SEQ ID NO: 4  
 97 <211> LENGTH: 97

W--> 98 (221) NAME/KEY: DNA  
 99 <213> ORGANISM: Artificial Sequence

W--&gt; 100 &lt;220&gt; FEATURE:

W--> 101 <221> NAME/KEY:  
 102 <222> LOCATION:  
 103 <223> OTHER INFORMATION: Forward primer 1-97

W--> 104 <400> 4  
 105 atgagacgct acaagctcrt tctcatgttc tgtatggccg gcctgtgcct catctccttc  
 106 ctgcacttct tcaagaccct gtcctatgtc accttcc

60  
97

(2127) W--> 107 <210> SEQ ID NO: 5  
 108 <211> LENGTH: 100

W--> 109 (221) NAME/KEY: DNA  
 110 <213> ORGANISM: Artificial Sequence

W--&gt; 111 &lt;220&gt; FEATURE:

W--> 112 <221> NAME/KEY:  
 113 <222> LOCATION:  
 114 <223> OTHER INFORMATION: Forward primer 78-177

W--> 115 <400> 5  
 116 cctgtcctat gtcaccttcc cactgagaact ggccctccctc agccctaacc tgggtgtccag  
 117 ctttttcttg aacaatgccc cggtcacgcc ccaggccagc

60  
100

(2127) W--> 118 <210> SEQ ID NO: 6  
 119 <211> LENGTH: 102

W--> 120 (221) NAME/KEY: DNA  
 121 <213> ORGANISM: Artificial Sequence

W--&gt; 122 &lt;220&gt; FEATURE:

W--> 123 <221> NAME/KEY:  
 124 <222> LOCATION:  
 125 <223> OTHER INFORMATION: Forward primer 158-259

W--> 126 <400> 6  
 127 cggtcacgcc ccaggccagc cctgagccag gaggccctga cctgctgcgt accccactct  
 128 actccactc gccctgctg cagccgctgc cgccagcaa gg

60  
102

(2127) W--> 129 <210> SEQ ID NO: 7  
 130 <211> LENGTH: 93

W--> 131 (221) NAME/KEY: DNA  
 132 <213> ORGANISM: Artificial Sequence

## RAW SEQUENCE LISTING

DATE: 04/20/2006

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Input Set : E:\CGI-P846(Sequence Listing).txt

Output Set: N:\CRF4\04202006\J574860.raw

W--> 133 <220> FEATURE:  
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135 <222> LOCATION:  
136 <223> OTHER INFORMATION: Foward primer 239-331

W--> 137 <400> 7  
138 agccgctgcc gccagcaag gcggccgagg agctccaccg ggtggacttg gtgctgccc 60  
139 aggacaccac cgagtatttc gtgcgcacca agg 93  
140 <210> SEQ ID NO: 8  
141 <211> LENGTH: 98  
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143 <213> ORGANISM: Artificial Sequence  
W--> 144 <220> FEATURE:  
W--> 145 <221> NAME/KEY:  
146 <222> LOCATION:  
147 <223> OTHER INFORMATION: Foward primer 312-409

W--> 148 <400> 8  
149 gtatttcgtg cgcaccaagg ctggaggcgt ctgcttcaaa ccgggcacca agatgctgga 60  
150 gagaccgcct ccgggacgac cggaggagaa gccctgagg 98  
151 <210> SEQ ID NO: 9  
152 <211> LENGTH: 83  
W--> 153 <221> NAME/KEY: DNA  
154 <213> ORGANISM: Artificial Sequence  
W--> 155 <220> FEATURE:  
W--> 156 <221> NAME/KEY:  
157 <222> LOCATION:  
158 <223> OTHER INFORMATION: Foward primer 390-472

W--> 159 <400> 9  
160 accggaggag aagcctgagg gggccaacgg atcctcggcc cggcgaccac cccggtacct 60  
161 cctgagcgcc cgggagcgca cgg 83  
162 <210> SEQ ID NO: 10  
163 <211> LENGTH: 104  
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W--> 166 <220> FEATURE:  
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168 <222> LOCATION:  
169 <223> OTHER INFORMATION: Foward primer 453-556

W--> 170 <400> 10  
171 gagcgcgccg gagcgacgg ggggccgagg tgcacgacgc aagtgggtgg agtgcggtgtg 60  
172 tctgcccga tggcacggac ccagctgcgg cgtgcccact gtgg 104  
173 <210> SEQ ID NO: 11  
174 <211> LENGTH: 84  
W--> 175 <221> NAME/KEY: DNA  
176 <213> ORGANISM: Artificial Sequence  
W--> 177 <220> FEATURE:

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Input Set : E:\CGI-P846(Sequence Listing).txt

Output Set: N:\CRF4\04202006\J574860.raw

W--> 178 <221> NAME/KEY:  
179 <222> LOCATION:  
180 <223> OTHER INFORMATION: Foward primer 535-618

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183 ccagggagg tgccgcgccg cgtc 84  
184 <210> SEQ ID NO: 12  
185 <211> LENGTH: 99

W--> 186 <221> NAME/KEY: DNA  
187 <213> ORGANISM: Artificial Sequence

W--> 188 <220> FEATURE:  
W--> 189 <221> NAME/KEY:  
190 <222> LOCATION:  
191 <223> OTHER INFORMATION: Foward primer 598-696

W--> 192 <400> 12  
193 agggaggtgc cgcgccgct cattaatgct atcaacgtca accacgagtt cgacctgctg 60  
194 gacgtgagct tccagagct gggcgacgtg gtggacgcc 99  
195 <210> SEQ ID NO: 13  
196 <211> LENGTH: 101

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198 <213> ORGANISM: Artificial Sequence

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201 <222> LOCATION:  
202 <223> OTHER INFORMATION: Foward primer 677-777

W--> 203 <400> 13  
204 tgggcgacgt ggtggacgcc tttgtggtgt gcgagtccaa cttcacggct tatggggagc 60  
205 cgcggccgct caagttccgg gagatgctga ccaatggcac c 101  
206 <210> SEQ ID NO: 14  
207 <211> LENGTH: 63

W--> 208 <221> NAME/KEY: DNA  
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W--> 210 <220> FEATURE:  
W--> 211 <221> NAME/KEY:  
212 <222> LOCATION:  
213 <223> OTHER INFORMATION: Foward primer 758-820

W--> 214 <400> 14  
215 agatgctgac caatggcacc ttcgagtaca tccgccacaa ggtgctctat gtcttcctgg 60  
216 acc 63  
217 <210> SEQ ID NO: 15  
218 <211> LENGTH: 70

W--> 219 <221> NAME/KEY: DNA  
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W--> 221 <220> FEATURE:  
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## RAW SEQUENCE LISTING

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Input Set : E:\CGI-P846(Sequence Listing).txt

Output Set: N:\CRF4\04202006\J574860.raw

223 &lt;222&gt; LOCATION:

224 &lt;223&gt; OTHER INFORMATION: Foward primer 801-870

W--&gt; 225 &lt;400&gt; 15

226 gctctatgtc ttcctggacc actttcctcc tggaggacga caagatggat ggatcgccga 60

227 cgactacctg 70

228 &lt;210&gt; SEQ ID NO: 16

229 &lt;211&gt; LENGTH: 37

W--&gt; 230 &lt;221&gt; NAME/KEY: DNA

231 &lt;213&gt; ORGANISM: Artificial Sequence

W--&gt; 232 &lt;220&gt; FEATURE:

W--&gt; 233 &lt;221&gt; NAME/KEY:

234 &lt;222&gt; LOCATION:

235 &lt;223&gt; OTHER INFORMATION: Reverse primer End(HindIII)

W--&gt; 236 &lt;400&gt; 16

237 tttaagctta ctagacttcc gcctcgcca gttttcc 37

238 &lt;210&gt; SEQ ID NO: 17

239 &lt;211&gt; LENGTH: 109

W--&gt; 240 &lt;221&gt; NAME/KEY: DNA

241 &lt;213&gt; ORGANISM: Artificial Sequence

W--&gt; 242 &lt;220&gt; FEATURE:

W--&gt; 243 &lt;221&gt; NAME/KEY:

244 &lt;222&gt; LOCATION:

245 &lt;223&gt; OTHER INFORMATION: Reverse primer 1596-1488

W--&gt; 246 &lt;400&gt; 17

247 ctagacttcc gcctcgcca gttttccccg agcaggcggc cttccttcag gaccctgtg 60

248 ggcgcacccct cccgcagccg tgctcctggg ctccctggtag gggttgtcc 109

249 &lt;210&gt; SEQ ID NO: 18

250 &lt;211&gt; LENGTH: 102

W--&gt; 251 &lt;221&gt; NAME/KEY: DNA

252 &lt;213&gt; ORGANISM: Artificial Sequence

W--&gt; 253 &lt;220&gt; FEATURE:

W--&gt; 254 &lt;221&gt; NAME/KEY:

255 &lt;222&gt; LOCATION:

256 &lt;223&gt; OTHER INFORMATION: Reverse primer 1508-1407

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258 ggctcctggt aggggttgtc cagaaggtag tggaaccggc cgtagttctt cagcaggtac 60

259 ttgggcgcac acatgtgtc gctgggggtc gcaggcgggt ac 102

260 &lt;210&gt; SEQ ID NO: 19

261 &lt;211&gt; LENGTH: 104

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263 &lt;213&gt; ORGANISM: Artificial Sequence

W--&gt; 264 &lt;220&gt; FEATURE:

W--&gt; 265 &lt;221&gt; NAME/KEY:

266 &lt;222&gt; LOCATION:

267 &lt;223&gt; OTHER INFORMATION: Reverse primer 1427-1324

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Input Set : E:\CGI-P846(Sequence Listing).txt

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269 ctgggggtctg caggcgggta ctcttgctgc gtgccgtcga accagcccc ggtgcggatc 60  
270 aggcgcgga ttagttcag gtcccgcttg tctcgtagt cacc 104  
271 <210> SEQ ID NO: 20  
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277 <222> LOCATION:  
278 <223> OTHER INFORMATION: Reverse primer 1344-1244

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281 gaagtagatg cctcgggcg tgaagcacca ggagcagtgc c 101  
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283 <211> LENGTH: 102  
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285 <213> ORGANISM: Artificial Sequence  
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288 <222> LOCATION:  
289 <223> OTHER INFORMATION: Reverse primer 1264-1162

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292 ccaggatgtg tccggtgcgg ttctcatact gtctgaagtt gg 102  
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294 <211> LENGTH: 99  
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296 <213> ORGANISM: Artificial Sequence  
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299 <222> LOCATION:  
300 <223> OTHER INFORMATION: Reverse primer 1182-1084

W--> 301 <400> 22  
302 ctcatactgt ctgaagttgg gcatggtgta gtattggcgg cggcgcaggc ggatgccgtc 60  
303 cagcccatat actgcttgca gcatgtccac cgtgcagcc 99  
304 <210> SEQ ID NO: 23  
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307 <213> ORGANISM: Artificial Sequence  
W--> 308 <220> FEATURE:  
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311 <223> OTHER INFORMATION: Reverse primer 1103-1004



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313 agcatgtcca ccgtgcagcc tgacaccacc tccaggggtgc ccggttgctt ccaaaagaat 60  
314 ccgtagagcg acgtgcgcat gtggaaggcg aagggctcgg 100  
315 <210> SEQ ID NO: 24  
316 <211> LENGTH: 102  
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318 <213> ORGANISM: Artificial Sequence  
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322 <223> OTHER INFORMATION: Reverse primer 1023-922

W--> 323 <400> 24  
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325 ggccgggcatc tcgtccgcat cgtcaatgat gaagacgtcg tc 102  
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327 <211> LENGTH: 91  
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332 <222> LOCATION:  
333 <223> OTHER INFORMATION: Reverse primer 941-851

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337 <210> SEQ ID NO: 26  
338 <211> LENGTH: 70  
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343 <222> LOCATION:  
344 <223> OTHER INFORMATION: Reverse primer 870-801

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347 gacatagagc 70  
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349 <211> LENGTH: 81  
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355 <223> OTHER INFORMATION: Reverse primer 380-300

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Input Set : E:\CGI-P846(Sequence Listing).txt

Output Set: N:\CRF4\04202006\J574860.raw

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 360 <211> LENGTH: 80  
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 W--> 364 <221> NAME/KEY:  
 365 <222> LOCATION:  
 366 <223> OTHER INFORMATION: Reverse primer 320-241  
  
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 368 acgaaatact cggtggtgtc ctccggcagc accaagtcca cccggtggag ctccctcgcc 60  
 369 gccttgctgg gcggcagcgg 80  
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 376 <222> LOCATION:  
 377 <223> OTHER INFORMATION: Reverse primer Bam-359  
  
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 380 catcttgg 68  
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 W--> 383 <221> NAME/KEY: DNA  
 384 <213> ORGANISM: Homo sapiens  
 W--> 385 <220> FEATURE:  
 386 <223> OTHER INFORMATION: Nucleotide sequence encoding human GnTIII  
  
 W--> 387 <400> SEQUENCE: 30  
 388 atgagacgct acaagctctt tctcatgttc tgtatggccg gcctgtgcct catctccttc 60  
 389 ctgcacttct tcaagaccct gtcctatgtc accttcccc gagaaactggc ctccctcagc 120  
 390 cctaacctgg tgtccagctt tttctggaac aatgccccg tcacgcccc ggccagcccc 180  
 391 gagccaggag gccctgacct gctgcgtaac ccactctact cccactcgcc cctgctgcag 240  
 392 ccgctgccgc ccagcaaggc ggccgaggag ctccaccggg tggacttggg gctgcccag 300  
 393 gacaccaccg agtatttctg gcgcaccaag gccggcgccg tctgcttcaa acccggcacc 360  
 394 aagatgctgg agaggccgcc cccgggacgg ccggaggaga agcctgaggg ggccaacggc 420  
 395 tctctggccc ggccggccacc ccggtacctc ctgagcgccc gggagcgcac ggggggcccga 480  
 396 ggccggccggc gcaagtgggt ggagtgcgtg tgctgcccg gctggcacgg acccagctgc 540  
 397 ggctgcccga ctgtggtgca gtactccaac ctgcccacca aggagcggct ggtgcccagg 600  
 398 gaggtgccgc gccgcgtcat caacgccatc aacgtcaacc acgagttcga cctgctggac 660  
 399 gtgcgttctc acgagctggg cgacgtggtg gacgcctttg tggtgtgcga gtccaacttc 720  
 400 acggttatg gggagccggg gccgctcaag ttccgggaga tgctgaccaa tggcaccttc 780  
 401 gagtacatcc gccacaagg gctctatgtc ttctgggacc acttcccgc cgccggccgg 840  
 402 caggacggct ggatcgccga cgactacctg cgcaccttc tcaccagga cgccgtctcg 900

## RAW SEQUENCE LISTING

DATE: 04/20/2006

PATENT APPLICATION: US/10/574,860

TIME: 10:20:46

Input Set : E:\CGI-P846(Sequence Listing).txt

Output Set: N:\CRF4\04202006\J574860.raw

403 cggctgcgca acctgcggcc cgacgacgtc ttcattcattg acgatgcgga cgagatcccc 960  
 404 gcccgtagcg gcgtcctttt cctcaagctc tacgatggct ggaccgagcc ctctgccttc 1020  
 405 cacatgcgca cgctcgctcta cggcttcttc tggaagcagc cgggcaccct ggaggtggtg 1080  
 406 tcaggctgca cggtagacat gctgcaggca gtgtatgggc tggacggcat ccgcctgcgc 1140  
 407 cggcgccaat actacacat gcccaacttc agacagtatg agaaccgcac cggcacatc 1200  
 408 ctggtgcagt ggtcgctggg cagccccctg cacttcgccg gctggcactg ctctggtgc 1260  
 409 ttcacgcccg agggcatcta cttcaagctc gtgtccgcc agaatggcga ctccccacgc 1320  
 410 tggggtgact acgaggacaa gcgggacctg aactacatcc gcggcctgat ccgcaccggg 1380  
 411 ggctggttcg acggcacgca gcaggagtac ccgcctgcag accccagcga gcacatgtat 1440  
 412 gcgccaagt acctgctgaa gaactacgac cggttccact acctgctgga caaccctac 1500  
 413 caggagccca ggagcacggc ggcgggcggg tggcgccaca ggggtcccga gggaaggccg 1560  
 414 cccgcccggg gcaaaactga cgaggcggaa gtctag 1596

415 &lt;210&gt; SEQ ID NO: 31

416 &lt;211&gt; LENGTH: 1596

W--&gt; 417 &lt;221&gt; NAME/KEY: DNA

418 &lt;213&gt; ORGANISM: Artificial Sequence

W--&gt; 419 &lt;220&gt; FEATURE:

W--&gt; 420 &lt;221&gt; NAME/KEY:

421 &lt;222&gt; LOCATION:

422 &lt;223&gt; OTHER INFORMATION: Artificial nucleotide sequence encoding human GnTII

W--&gt; 423 &lt;400&gt; 31

424 atgagacgct acaagctctt tctcatgttc tgtatggccg gcctgtgcct catctccttc 60  
 425 ctgcacttct tcaagacctt gtcctatgtc accttcccac gagaactggc ctccctcagc 120  
 426 cctaacctgg tgtccagctt tttctggaac aatgccccgg tcacgccccca ggccagccct 180  
 427 gagccaggag gccctgacct gctgcgtacc ccactctact ccactcggc cctgctgcag 240  
 428 ccgctgccgc ccagcaaggc ggccgaggag ctccaccggg tggacttggg gctgcccag 300  
 429 gacaccaccg agtatttcgt gcgcaccaag gctggaggcg tctgcttcaa acccggcacc 360  
 430 aagatgctgg agagaccgcc tccgggacga ccggaggaga agcctgaggg ggccaacgga 420  
 431 tccctcgccc ggcgaccacc ccggtacctc ctgagcgccc gggagcgcac ggggggcccga 480  
 432 ggtgcacgac gcaagtgggt ggagtgcgtg tgtctgcccg gatggcacgg acccagctgc 540  
 433 ggctgcccc ctgtggtgca gtattccaac ctgcctacca aggagcggct ggtgcccagg 600  
 434 gaggtgccgc gccgcgtcat taatgctatc aacgtcaacc acgagttcga cctgctggac 660  
 435 gtgcgcttcc acgagctggg cgacgtgggt gacgcctttg tgggtgtgca gtccaacttc 720  
 436 acggcttatg gggagccgcg gccgctcaag ttccgggaga tgctgaccaa tggcaccttc 780  
 437 gagtacatcc gccacaagg gctctatgtc ttcttgacc actttcctcc tggaggacga 840  
 438 caagatggat ggatcgccga cgactacctg cgcaccttcc tcaccagga cggcgtctcg 900  
 439 cggctgcgca acctgcggcc cgacgacgtc ttcattcattg acgatgcgga cgagatcccc 960  
 440 gcccgtagcg gcgtcctggt cctcaagctc tacgatggct ggaccgagcc ctctgccttc 1020  
 441 cacatgcgca cgctcgctcta cggattcttt tggaagcaac cgggcaccct ggaggtggtg 1080  
 442 tcaggctgca cggtagacat gctgcaggca gtgtatgggc tggacggcat ccgcctgcgc 1140  
 443 cggcgccaat actacacat gcccaacttc agacagtatg agaaccgcac cggcacatc 1200  
 444 ctggtgcagt ggtcgctggg cagccccctt cacttcgccg gctggcactg ctctggtgc 1260  
 445 ttcacgcccg agggcatcta cttcaagctc gtgtccgcc agaatggcga ctccccacgc 1320  
 446 tggggtgact acgaggacaa gcgggacctg aactacatcc gcggcctgat ccgcaccggg 1380  
 447 ggctggttcg acggcacgca gcaagagtac ccgcctgcag accccagcga gcacatgtat 1440  
 448 gcgccaagt acctgctgaa gaactacgac cggttccact accttctgga caaccctac 1500  
 449 caggagccca ggagcacggc tgcgggagga tggcgccaca ggggtcctga aggaagaccg 1560  
 450 cctgctcggg gaaaaactga cgaggcggaa gtctag 1596

## VERIFICATION SUMMARY

DATE: 04/20/2006

PATENT APPLICATION: US/10/574,860

TIME: 10:20:47

Input Set : E:\CGI-P846(Sequence Listing).txt

Output Set: N:\CRF4\04202006\J574860.raw

L:3 M:283 W: Missing Blank Line separator, <120> field identifier  
L:4 M:283 W: Missing Blank Line separator, <130> field identifier  
L:5 M:270 C: Current Application Number differs, Replaced Current Application No  
L:5 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:5 M:283 W: Missing Blank Line separator, <160> field identifier  
L:6 M:283 W: Missing Blank Line separator, <210> field identifier  
L:11 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:1  
L:11 M:283 W: Missing Blank Line separator, <400> field identifier  
L:61 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:2  
L:61 M:283 W: Missing Blank Line separator, <400> field identifier  
L:88 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3  
L:90 M:283 W: Missing Blank Line separator, <220> field identifier  
L:91 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3  
L:94 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:94 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:94 M:283 W: Missing Blank Line separator, <400> field identifier  
L:98 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4  
L:100 M:283 W: Missing Blank Line separator, <220> field identifier  
L:101 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4  
L:104 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:104 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4  
L:104 M:283 W: Missing Blank Line separator, <400> field identifier  
L:109 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5  
L:111 M:283 W: Missing Blank Line separator, <220> field identifier  
L:112 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5  
L:115 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:115 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5  
L:115 M:283 W: Missing Blank Line separator, <400> field identifier  
L:120 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6  
L:122 M:283 W: Missing Blank Line separator, <220> field identifier  
L:123 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6  
L:126 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:126 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6  
L:126 M:283 W: Missing Blank Line separator, <400> field identifier  
L:131 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7  
L:133 M:283 W: Missing Blank Line separator, <220> field identifier  
L:134 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7  
L:137 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:137 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7  
L:137 M:283 W: Missing Blank Line separator, <400> field identifier  
L:142 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8  
L:144 M:283 W: Missing Blank Line separator, <220> field identifier  
L:145 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8  
L:148 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:148 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8  
L:148 M:283 W: Missing Blank Line separator, <400> field identifier  
L:153 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9  
L:155 M:283 W: Missing Blank Line separator, <220> field identifier

## VERIFICATION SUMMARY

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PATENT APPLICATION: US/10/574,860

TIME: 10:20:47

Input Set : E:\CGI-P846(Sequence Listing).txt

Output Set: N:\CRF4\04202006\J574860.raw

L:156 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9  
L:159 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:159 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:159 M:283 W: Missing Blank Line separator, <400> field identifier  
L:164 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10  
L:166 M:283 W: Missing Blank Line separator, <220> field identifier  
L:167 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10  
L:170 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:170 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10  
L:170 M:283 W: Missing Blank Line separator, <400> field identifier  
L:175 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11  
L:177 M:283 W: Missing Blank Line separator, <220> field identifier  
L:178 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11  
L:181 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:181 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11  
L:181 M:283 W: Missing Blank Line separator, <400> field identifier  
L:186 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:12  
L:188 M:283 W: Missing Blank Line separator, <220> field identifier  
L:189 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:12  
L:192 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:192 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12  
L:192 M:283 W: Missing Blank Line separator, <400> field identifier  
L:197 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13  
L:199 M:283 W: Missing Blank Line separator, <220> field identifier  
L:200 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13  
L:203 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:203 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13  
L:203 M:283 W: Missing Blank Line separator, <400> field identifier  
L:208 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14  
L:210 M:283 W: Missing Blank Line separator, <220> field identifier  
L:211 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14  
L:214 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:214 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14  
L:214 M:283 W: Missing Blank Line separator, <400> field identifier  
L:219 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
L:221 M:283 W: Missing Blank Line separator, <220> field identifier  
L:222 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
L:225 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:225 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15  
L:225 M:283 W: Missing Blank Line separator, <400> field identifier  
L:230 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
L:232 M:283 W: Missing Blank Line separator, <220> field identifier  
L:233 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
L:236 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:236 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16  
L:236 M:283 W: Missing Blank Line separator, <400> field identifier  
L:240 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17  
L:242 M:283 W: Missing Blank Line separator, <220> field identifier  
L:243 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17

## VERIFICATION SUMMARY

DATE: 04/20/2006

PATENT APPLICATION: US/10/574,860

TIME: 10:20:47

Input Set : E:\CGI-P846(Sequence Listing).txt

Output Set: N:\CRF4\04202006\J574860.raw

L:246 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:246 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17  
L:246 M:283 W: Missing Blank Line separator, <400> field identifier  
L:251 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:18  
L:253 M:283 W: Missing Blank Line separator, <220> field identifier  
L:254 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:18  
L:257 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:257 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18  
L:257 M:283 W: Missing Blank Line separator, <400> field identifier  
L:262 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:19  
L:264 M:283 W: Missing Blank Line separator, <220> field identifier  
L:265 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:19  
L:268 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:268 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19  
L:268 M:283 W: Missing Blank Line separator, <400> field identifier  
L:273 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20  
L:275 M:283 W: Missing Blank Line separator, <220> field identifier  
L:276 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20  
L:279 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:279 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20  
L:279 M:283 W: Missing Blank Line separator, <400> field identifier  
L:284 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21  
L:286 M:283 W: Missing Blank Line separator, <220> field identifier  
L:287 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21  
L:290 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:290 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
L:290 M:283 W: Missing Blank Line separator, <400> field identifier  
L:295 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:22  
L:297 M:283 W: Missing Blank Line separator, <220> field identifier  
L:298 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:22  
L:301 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:301 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22  
L:301 M:283 W: Missing Blank Line separator, <400> field identifier  
L:306 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23  
L:308 M:283 W: Missing Blank Line separator, <220> field identifier  
L:309 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23  
L:312 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:312 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23  
L:312 M:283 W: Missing Blank Line separator, <400> field identifier  
L:317 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:24  
L:319 M:283 W: Missing Blank Line separator, <220> field identifier  
L:320 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:24  
L:323 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:323 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24  
L:323 M:283 W: Missing Blank Line separator, <400> field identifier  
L:328 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:330 M:283 W: Missing Blank Line separator, <220> field identifier  
L:331 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:334 M:282 E: Numeric Field Identifier Missing, <212> is required.

## VERIFICATION SUMMARY

DATE: 04/20/2006

PATENT APPLICATION: US/10/574,860

TIME: 10:20:47

Input Set : E:\CGI-P846(Sequence Listing).txt

Output Set: N:\CRF4\04202006\J574860.raw

L:334 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25  
L:334 M:283 W: Missing Blank Line separator, <400> field identifier  
L:339 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:341 M:283 W: Missing Blank Line separator, <220> field identifier  
L:342 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:345 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:345 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26  
L:345 M:283 W: Missing Blank Line separator, <400> field identifier  
L:350 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:352 M:283 W: Missing Blank Line separator, <220> field identifier  
L:353 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:356 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:356 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:27  
L:356 M:283 W: Missing Blank Line separator, <400> field identifier  
L:361 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:363 M:283 W: Missing Blank Line separator, <220> field identifier  
L:364 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:367 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:367 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28  
L:367 M:283 W: Missing Blank Line separator, <400> field identifier  
L:372 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:29  
L:374 M:283 W: Missing Blank Line separator, <220> field identifier  
L:375 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:29  
L:378 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:378 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:29  
L:378 M:283 W: Missing Blank Line separator, <400> field identifier  
L:383 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:30  
L:385 M:283 W: Missing Blank Line separator, <220> field identifier  
L:387 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:387 M:283 W: Missing Blank Line separator, <400> field identifier  
L:417 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31  
L:419 M:283 W: Missing Blank Line separator, <220> field identifier  
L:420 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31  
L:423 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:423 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:31  
L:423 M:283 W: Missing Blank Line separator, <400> field identifier